

SeNCore version 5.1.6
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MM protein - protein search, using sw model

November 17, 2003, 16:04:42 ; Search time 5.89474 Seconds

(without alignments) 143.555 Million cell updates/sec

title: US-09-910-009a-211

subject: score: 121

sequence: 1 XNCNGCGSSKRCRDHARC 20

scoring table: BL05IN6.2

Gapext: 0.5

22817 seqs, 42101058 residues

total number of hits satisfying chosen parameters:

328917

minimum DB seq length: 0

maximum DB seq length: 200000000

target pre-processing:

Maximum Match 0%

Listing first 15 summaries

database : Issued_Patents_AA.*

1: /CMB2_6/picodata/1/iaaa/SA_COMB.rep:*

2: /CMB2_6/picodata/1/iaaa/SB_COMB.rep:*

3: /CMB2_6/picodata/1/iaaa/CA_COMB.rep:*

4: /CMB2_6/picodata/1/iaaa/CB_COMB.rep:*

5: /CMB2_6/picodata/1/iaaa/FCMB_COMB.rep:*

6: /CMB2_6/picodata/1/iaaa/backfiles/pep:*

Pred: No is the number of results predicted by a score equal or greater than the score of the best hit. The score is derived by analysis of the score distribution.

SUMMARIES

No.	Score	Query	Length	DB ID	Description
1	29	2311	4	US-09-910-009a-211	Sequence 3, Appli
2	47	2311	4	US-09-910-009a-211	Sequence 2, Appli
3	54	444.6	58	US-09-910-009a-211	Sequence 21, Appli
4	54	44.6	58	US-09-910-009a-211	Sequence 22, Appli
5	54	44.6	58	US-09-910-009a-211	Sequence 23, Appli
6	53	43.8	40	US-09-910-009a-211	Sequence 23,668, A
7	53	43.8	67	US-09-910-009a-211	Sequence 14, Appli
8	52.5	43.4	1345	US-09-910-009a-211	Sequence 16, Appli
9	50	43.8	1400	US-09-910-009a-211	Sequence 17, Appli
10	50	41.3	2688	US-09-910-009a-211	Sequence 18, Appli
11	50	41.3	2688	US-09-910-009a-211	Sequence 19, Appli
12	50	41.3	2688	US-09-910-009a-211	Sequence 20, Appli
13	49.5	40.9	54	US-09-910-009a-211	Sequence 21, Appli
14	49.5	40.9	112	US-09-910-009a-211	Sequence 22,996, A
15	48.5	40.1	22	PCT-US99-05162-2	Sequence 1, Appli
16	48.5	40.1	22	PCT-US99-05162-2	Sequence 2, Appli
17	48.5	40.1	27	US-09-910-009a-211	Sequence 7, Appli
18	48.5	40.1	27	PCT-US99-05162-2	Sequence 8, Appli
19	48.5	40.1	359	US-09-910-009a-211	Sequence 9, Appli
20	48.5	39.7	550	US-09-910-009a-211	Sequence 10, Appli
21	48	39.3	197	US-09-910-009a-211	Sequence 10,359, A
22	47	38.8	45	US-09-910-009a-211	Sequence 46, Appli
23	47	38.8	45	US-09-910-009a-211	Sequence 51, Appli
24	47	38.8	45	US-09-910-009a-211	Sequence 52, Appli
25	47	38.8	45	US-09-910-009a-211	Sequence 53, Appli
26	47	38.8	45	US-09-910-009a-211	Sequence 20,230, A
27	47	38.8	45	US-09-910-009a-211	Sequence 20783, A

Sequence 30369, A

Sequence 44, Appli

Sequence 2, Appli

Sequence 15, Appli

Sequence 4, Appli

Sequence 4, Appli

Sequence 17, Appli

Sequence 4, Appli

Sequence 4, Appli

Sequence 12, Appli

Sequence 4, Appli

Sequence 12, Appli

ISSUE DATE: 2003-08-23
 Sequence No. 1 Application US/09738864
 Patent No. 6,591,606
 GENERAL INFORMATION:
 TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS, NUCLEAR ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE PROTEINS, AND USES THEREOF
 FILING INFORMATION: FOR INVENTION: 09/738,864
 CURRENT APPLICATION NUMBER: US/09/738,864
 CURRENT FILING DATE: 2000-12-18
 SOFTWARE: PbaseQ for Windows Version 4.0
 SEQ ID NO: 1
 LENGTH: 2211
 TYPE: PRT
 ORGANISM: Human
 5'-GCGAGCTCCAGATTC 64

Query Match Similarity: 47.1%; Score: 57; DB: 4; Length: 2211;
 Best Local Similarity: 50.0%; Pred. No.: 67; Indels: 0; Gaps: 0;
 Matches: 9; Conservative: 1; Mismatches: 8; Indels: 0; Gaps: 0;

SEQUENCE 22, Application US/08279058B
 GENERAL INFORMATION:
 APPLICANT: Michael E. O'Donnell et al.
 TITLE OF INVENTION: DNA POLYMERS III
 NUCLEIC ACID SEQUENCES RELATING TO PSEUDORONAS HOLOBENZENE
 CORRESPONDENCE ADDRESS: 60
 STREET: 25 Skytop Drive
 CITY: Trumbull
 STATE: Connecticut
 COUNTRY: USA
 COMMERCIAL FACILITY: Yuhwak & Associates
 COMPUTER: Macintosh
 OPERATING SYSTEM: Mac OS-X
 SOFTWARE: Microsoft Word 4.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/279,058B
 FILING DATE: 2002-08-23
 CLASSIFICATION: 145
 ATTORNEY: UNKNOWN
 NAME: George M. Yuhwak
 REGISTRATION NUMBER: 26,824
 REFERENCE/DOCKET NUMBER: CRF D-1056CIP
 TELECOMMUNICATION:
 TELEPHONE: (203) 268-1951
 TELEFAX: (203) 268-1951
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 135
 LEVEL: amino acids
 MODE: protein
 MOLECULE TYPE: peptide

RESULT 4
 US-08-628-323-23
 / Sequence 23, Application US/082823A
 ; Patent No. 6,417,533
 / GENERAL INFORMATION:
 / APPLICANT: O'Donnell, Michael
 / TITLE OF INVENTION: DNA POLYMERS III
 / FILE REFERENCE: 146311121
 / CURRENT APPLICATION NUMBER: US/08/628,123A
 / CURRENT FILING DATE: 1997-03-28
 / NUMBER OF SEQ ID NO: 60
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO: 23
 / LENGTH: 58
 / ORGANISM: Escherichia coli
 / SEQ ID NO: 23
 / LENGTH: 123
 / ORGANISM: Escherichia coli
 / SEQ ID NO: 23
 / LENGTH: 54

Matches: 8; Conservative: 2; Mismatches: 7; Indels: 0; Gaps: 0;
 QV 4 CNGGSSXCRDHRACC 20
 Db 38 CTGGCTCTGTGAC 54

Query Match Similarity: 44.6%; Score: 54; DB: 4; Length: 58;
 Best Local Similarity: 47.1%; Pred. No. 6,9; Indels: 0; Gaps: 0;
 Matches: 8; Conservative: 2; Mismatches: 7; Indels: 0; Gaps: 0;
 QV 4 CNGGSSXCRDHRACC 20
 Db 38 CTGGCTCTGTGAC 54

RESULT 5
 US-09-522-991A-23648
 / Sequence 23, Application US/09252991A
 ; Patent No. 6,551,795
 / GENERAL INFORMATION:
 / APPLICANT: Rutherford, et al.
 / TITLE OF INVENTION: Rutherford, et al., AMINO ACID SEQUENCES RELATING TO PSEUDORONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 / FILE REFERENCE: J01166116
 / CURRENT APPLICATION NUMBER: US/09/252,991A
 / CURRENT FILING DATE: 1999-02-18
 / NUMBER OF SEQ ID NO: 60
 / PRIOR APPLICATION NUMBER: US/09/252,991A
 / PRIOR FILING DATE: 1998-02-18
 / NUMBER OF SEQ ID NO: 50/094,190
 / PRIOR APPLICATION NUMBER: US/09/252,991A
 / PRIOR FILING DATE: 1999-07-27
 / NUMBER OF SEQ ID NO: 53/342
 / SEQ ID NO: 23648
 / LENGTH: 232
 / TYPE: Part
 / ORGANISM: Pseudomonas aeruginosa
 / SEQ ID NO: 23648

Query Match Similarity: 44.6%; Score: 54; DB: 4; Length: 232;
 Best Local Similarity: 47.1%; Pred. No. 2,9
 Matches: 8; Conservative: 0; Mismatches: 9; Indels: 0; Gaps: 0;
 QV 4 CNGGSSXCRDHRACC 20
 Db 63 CTGCGSSXCRDHRACC 79

RESULT 6
 US-09-193-198A-14
 / Sequence 14, Application US/0903198A
 ; Patent No. 6,154,077
 / GENERAL INFORMATION:
 / APPLICANT: Liang, Jihong
 ; APPLICANT: Shah, Dilip Meaganil
 ; APPLICANT: Hu, Yonnie S.

Query Match Similarity: 44.6%; Score: 54; DB: 1; Length: 58;
 Best Local Similarity: 47.1%; Pred. No. 6,9;

RESULT 9
 QUERY Match 43.4%; Score 52.5; DB 0; Length 1345;
 est Local Similarity 50.0%; Pred. No. 1.4e+02;
 attaches 9; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

3 CONGCGSSKCDHARCC 20
 774 CCTGGCATCTTCGTCGC 790

RESULT 9
 QUERY Match 43.4%; Score 52.5; DB 4; Length 1400;
 est Local Similarity 50.0%; Pred. No. 1.4e+02;
 attaches 9; Conservative 1; Mismatches 5; Indels 3; Gaps 1;

3 CONGCGSSKCDHARCC 20
 190 CGCGCGA---CTGTACCC 204

RESULT 9
 QUERY Match 43.4%; Score 52.5; DB 4; Length 1400;
 est Local Similarity 50.0%; Pred. No. 1.4e+02;
 attaches 9; Conservative 1; Mismatches 5; Indels 3; Gaps 1;

3 CONGCGSSKCDHARCC 20
 190 CGCGCGA---CTGTACCC 204

RESULT 11
 US-01-948-367D-13
 / Sequence ID: 644890
 / Sequence Name: APP Substrates THEREFOR AND USES
 / APPLICANT: GURNEY ET AL.
 / GENERAL INFORMATION: THERAPEUTIC AGENT
 / TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
 / FILE REFERENCE: 29915/62801
 / CURRENT APPLICATION NUMBER: US/09/548,3720
 / CURRENT FILING DATE: 2000-04-12
 / PRIORITY APPLICATION NUMBER: US 60/155,433
 / PRIORITY FILING DATE: 1998-09-23
 / PRIORITY APPLICATION NUMBER: US/09/9104133
 / PRIORITY FILING DATE: 1998-09-23
 / PRIORITY APPLICATION NUMBER: US/09/20881
 / PRIORITY FILING DATE: 1999-09-23
 / PRIORITY APPLICATION NUMBER: US 60/101,594
 / PRIORITY FILING DATE: 1998-09-24
 / NUMBER OF SEQ ID NOS.: 73
 / SOFTWARE: GenBank
 / SEQ ID NO.: 13
 / SPAN: 1
 / SEQ ID NO.: 13
 / SPAN: 1
 / LENGTH: 2088
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-01-948-372D-13

Query Match 41.1%; Score 50; DB 4; Length 2088;
 Best Local Similarity 41.1%; Pred. No. 3.8e+02; Indels 0; Gaps 0;
 Matches 8; Conservative 10; Mismatches 10;

Qy 3 CONGCGSSKCDHARCC 20
 Db 1617 CCTGGCATCTTCGTCGC 1634

RESULT 11
 US-01-948-367D-13
 / Sequence ID: 644890
 / Sequence Name: APP Substrates THEREFOR AND USES
 / APPLICANT: GURNEY ET AL.
 / GENERAL INFORMATION: THERAPEUTIC AGENT
 / TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
 / FILE REFERENCE: 29915/62801
 / CURRENT APPLICATION NUMBER: US/09/548,367D
 / CURRENT FILING DATE: 2000-04-12
 / PRIORITY APPLICATION NUMBER: US 60/155,433
 / PRIORITY FILING DATE: 1998-09-23
 / PRIORITY APPLICATION NUMBER: US 60/155,433
 / PRIORITY FILING DATE: 1998-09-23
 / PRIORITY APPLICATION NUMBER: US 09/4104133
 / PRIORITY FILING DATE: 1998-09-23
 / PRIORITY APPLICATION NUMBER: US/09/9104133
 / PRIORITY FILING DATE: 1998-09-23
 / PRIORITY APPLICATION NUMBER: US/09/20881
 / PRIORITY FILING DATE: 1999-09-23
 / PRIORITY APPLICATION NUMBER: US 60/101,594
 / PRIORITY FILING DATE: 1998-09-24
 / NUMBER OF SEQ ID NOS.: 73
 / SOFTWARE: GenBank
 / SEQ ID NO.: 13
 / SPAN: 1
 / LENGTH: 2088
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-01-948-367D-13

Query Match 41.1%; Score 50; DB 4; Length 2088;
 Best Local Similarity 41.1%; Pred. No. 3.8e+02; Indels 0; Gaps 0;
 Matches 8; Conservative 10; Mismatches 10;

Qy 3 CONGCGSSKCDHARCC 20
 Db 1617 CCTGGCATCTTCGTCGC 1634

RESULT 12
 US-01-948-367D-13
 / Sequence ID: 644890
 / Sequence Name: APP Substrates THEREFOR AND USES
 / APPLICANT: GURNEY ET AL.
 / GENERAL INFORMATION: THERAPEUTIC AGENT
 / TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
 / TITLE OF INVENTION: THEREOF

FILE REFERENCE: 289156280L US/09/5551,053D
 FILING DATE: 2003-07-10
 CURRENT FILING DATE: 2003-07-10
 PRIOR APPLICATION NUMBER: US 60/155,193
 PRIOR FILING DATE: 1999-07-23
 PRIOR APPLICATION NUMBER: US 09/404,133
 PRIOR FILING DATE: 1999-07-23
 LENGTH: 2088
 TYPE: PRT
 HOMOLOGUE: Homo sapiens
 SEQ ID NO: 13
 LENGTH: 2088
 QUERY MATCH NUMBER: 09-551-8530-13
 QUERY MATCH SIMILARITY: 41.3% ; Score: 50; DB: 4; Length: 2088;
 SET LOCAL MATCHES: 3 8e-02; Indels: 0; Gaps: 0;
 CONSERVATIVE: 0; Mismatches: 10;

3 CONGESSKCRHARCC 20
 1617 CCTGGAGATCTCGGC 1634

BUILT 13-08-09-08-42 Application US/0891814B
 Sequence 1.02
 Patent No. 598118
 GENERAL INFORMATION:
 APPLICANT: Rio, Marie-Christine
 APPLICANT: Tomasetto, Catherine
 APPLICANT: Basset, Paul
 APPLICANT: Byrne, Jennifer
 TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful
 NUMBER OF SEQUENCES: 124
 CORRESPONDENCE ADDRESS:
 ADDRESSEES: Sternen, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Ave., NW, Suite 600
 CITY: Washington
 STATE: DC
 COUNTRY: United States
 ZIP: 20004-3034
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/Ms-DOS
 SOFTWARE: PatentIn Release #1.0. Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/691,814B
 FILING DATE: 2003-07-1996
 CLAIMS COUNT: 135
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/002,183
 FILING DATE: 1993-08-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Steffen, Eric K.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1383-0090001
 TELECOMMUNICATION INFORMATION:
 TELEFON: 202-311-2400
 INFORMATION REQUESTED:
 LENGTH: 54 amino acids
 STRAINDNESS: not relevant
 TOPOLOGY: peptide
 MOLECULE TYPE: Peptide

US-08-691-814B-42
 Query Match Score: 49.5%; DB: 2; Length: 54;
 Best Local Similarity: 50.0%; Pred. No.: 20;
 Matches: 9; Conservat. 7; Mismatches: 7; Indels: 1; Gaps: 1;
 Qy: 3 CONGESSKCRHARCC 20
 Db: 25 CCTGGAGATCTCGGC 1634

RESULT 14
 US 09/551-89118-29976
 Sequence 29976
 Patent No. 6551195
 CURRENT APPLICATION NUMBER: US/09/551-89118
 PRIOR APPLICATION NUMBER: US/09/552-2592
 PRIOR APPLICATION NUMBER: US/09/552-2591A
 PRIOR FILING DATE: 1999-07-24, 788
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO: 29976
 LENGTH: 112
 TYPE: PRT
 OWNER: Pseudomonas aeruginosa
 US-09-552-2991A-29976

Query Match Score: 49.5%; DB: 4; Length: 112;
 Best Local Similarity: 47.4%; Pred. No.: 37;
 Matches: 9; Conservat. 2; Mismatches: 3; Indels: 5; Gaps: 2;
 Qy: 2 CONGESSKCRHARCC 20
 Db: 94 RCC--C-CARTIC--VRCC 107

RESULT 15
 US-09-559-556-1
 Sequence 1, Application US/08539556
 Patent No. 5670622
 GENERAL INFORMATION:
 APPLICANT: Shon, Kit-Joon
 APPLICANT: Kim, Hyun-Ji
 APPLICANT: Kim, Hyun-Ji
 APPLICANT: Kim, Hyun-Ji
 APPLICANT: Kim, Hyun-Ji
 APPLICANT: Cruz, Lourdes J.
 APPLICANT: Hilliard, David R.
 APPLICANT: Oliveira, Baldomero M.
 TITLE OF INVENTION: Concoxin Peptide PI11A
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 STREET: 1201 New York
 CITY: New York
 STATE: NY
 COUNTRY: United States
 ZIP: 10006
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0. Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/691,814B
 FILING DATE: 2003-07-1996
 CLAIMS COUNT: 135
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/002,183
 FILING DATE: 1993-08-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Saxe, Stephen A.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1383-0090001
 TELECOMMUNICATION INFORMATION:
 TELEFON: 202-311-2400
 INFORMATION REQUESTED:
 LENGTH: 54
 STRAINDNESS: not relevant
 TOPOLOGY: peptide
 MOLECULE TYPE: Peptide

CLASSIFICATION: 510
 ATTORNEY/AGENT INFORMATION:
 NAME: Saxe, Stephen A.

REGISTRATION NUMBER: 38,609

REFERENCE/DOCKET NUMBER: 24260-107674-03

TELECOMMUNICATION INFORMATION:

TELEPHONE: 1-01-62-24-4948

FAX: 1-01-62-24-4948

EMAIL: 1-01-62-24-4948

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 22 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULAR TYPE: Peptide

HYPOTHETICAL: NO

ON FERMATICAL SOURCE:

ORGANISM: *Cornu purpurascens*

PARTITION:

NAME/KEY: Modified-site

LOCATION: 1

OTHER INFORMATION: /product= "OTHER"

OTHER INFORMATION: /product= "Amino acid 1 is pyroglutamate or glutamine."

FEATURES:

NAME/KEY: Modified-site

LOCATION: 6

OTHER INFORMATION: /product= "OTHER"

OTHER INFORMATION: /note= "Amino acid 6 is 4-transhydroxyproline or proline."

FEATURES:

NAME/KEY: Disulfide-bond

LOCATION: 4..16

FEATURES:

NAME/KEY: Disulfide-bond

LOCATION: 5..21

FEATURES:

NAME/KEY: Disulfide-bond

LOCATION: 11..22

FEATURES:

NAME/KEY: Modified-site

LOCATION: 18

OTHER INFORMATION: /product= "OTHER"

OTHER INFORMATION: /note= "Amino acid 18 is 4-transhydroxyproline or proline."

FEATURES:

NAME/KEY: Modified-site

LOCATION: 22

OTHER INFORMATION: /product= "OTHER"

OTHER INFORMATION: /note= "The carboxy terminus may be amidated."

08-599-856-1

OTHER INFORMATION: /note= "The carboxy terminus may be amidated."

4 CGGPKXKSRQKXH-RCC 22

3 CCN--GGGSXKXHARHC 20

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rhc completed: November 17, 2003, 16:19:24

time : 5.89474 secs

Query Match 53.2%; Score 223.5%; DB 1; Length 68;
 Best Local Similarity 56.6%; Prod No. 8; Matches 9; Mismatches 11; Indels 13; Gaps 2;
 Matches -13; Conservative 9;

Qy 4 MSLQVLTICLILPFLPLDQDAPARAFMDISSEDPFLPKQNC----CN 58
 Db 1 NSKLGDILTCILSFLATVPLDQDAPARAFMDISSEDPFLPKQNC----CN 60

Qy 59 QCCSSRKRSCBRCG 74
 Db 61 NCCEP-----CG 66

RESULT 2
 US-07-689-693B
 Application US/769863B
 Serial No. 6,230,111
 GENERAL INFORMATION:
 APPLICANT: David Hillyard Olivera
 TITLE OF INVENTION: Segregated Folding Determinants
 NUMBER OF SEQUENCES: 25
 ADDRESS: P.O. Box No. 521101rb 6 Western
 STREET, 9035 South 700 East, Suite 200
 CITY: Sandy
 STATE: Utah
 ZIP: 84070
 COMPUTER/PROGRAM SYSTEM:
 COMPUTER: Compaq CLE 365
 OPERATING SYSTEM: DOS 4.01
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/689,693B
 FILING DATE: 19/01/04 18
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: none
 FILING DATE: none
 ATTORNEY/AGENT INFORMATION:
 NAME: Western, M. Wayne
 REGISTRATION NUMBER: 27,788
 REFERENCE DOCUMENT NUMBER: 93/25
 THE EPOLOGY: 18/01 56-633
 TELEFAX: (801) 56-0750
 INFORMATION FOR SEQ ID NO: 24:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 52 amino acids
 TYPE: AMINO ACID
 POLypeptide: linear
 FEATURE: peptide
 NAME/KEY: Signal/Peptide sequence for synthesis of
 NAME/KEY: three loop conotoxin from Circular conotoxin
 IDENTIFICATION METHOD:
 using oligo-dT primed pUC13 vector

US-07-689-693B-24

Query Match 45.5%; Score 191.; DB 2; Length 52;
 Best Local Similarity 72.9%; Prod No. 2; Gaps 14; Mismatches 5; Indels 0; Gaps 0;

Qy 4 MSLQVLTICLILPFLPLDQDAPARAFMDISSEDPFLPKQNC----CN 51
 Db 1 NSKLGDILTCILSFLATVPLDQDAPARAFMDISSEDPFLPKQNC----CN 48

RESULT 3
 US-08-810-028-9
 Application US/08831028
 Serial No. 6,230,111
 GENERAL INFORMATION:
 APPLICANT: Sheila ATTENBOROUGH
 APPLICANT: William Frans BROEKART
 APPLICANT: Rupert William OSBORN
 APPLICANT: John Anthony PAY
 APPLICANT: Sarah Brown REES
 APPLICANT: Raynor Farrah TAYLOR
 TITLE OF INVENTION: ANTIMICROBIAL PROTEINS FROM ASALIA AND
 NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:
 STREET: 110 New York Avenue, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005-3918
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM compatible
 OPERATING SYSTEM: MS-DOS
 OWNER: M. Wayne Western
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/700,442A
 FILING DATE: 19-AUG-1996
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/CB95/00509
 FILING DATE: 11-MAR-1994
 PRIORITY CLAIM DATA:
 APPLICATION NUMBER: 94-04807-1
 FILING DATE: 11-MAR-1994
 INFORMATION FOR SEQ ID NO: 9:
 SOURCE CHARACTERISTICS:
 LENGTH: 33 amino acids
 TYPE: amino acid
 END: single
 TOROID: linear
 MOLECULE TYPE: protein
 ORIGINAL SOURCE:
 ORGANISM: FIGURE 10
 US-08-700-442A-9

Query Match 17.4%; Score 73; DB 2; Length 33;
 Best Local Similarity 28.0%; Prod No. 1.5; Gaps 4; Mismatches 23; Conservative 13; Indels 16; Gaps 4;
 Matches 2/3; Mismatches 13; Gaps 4;
 Qy 4 MSLQVLTICLILPFLPLDQDAPARAFMDISSEDPFLPKQNC----CN 51
 Db 1 NSKLGDILTCILSFLATVPLDQDAPARAFMDISSEDPFLPKQNC----CN 56

RESULT 4
 US-08-810-028-9
 Application US/08831028
 Serial No. 6,230,111
 GENERAL INFORMATION:
 APPLICANT: Sheila ATTENBOROUGH
 APPLICANT: William Frans BROEKART
 APPLICANT: Rupert William OSBORN
 APPLICANT: John Anthony PAY
 APPLICANT: Sarah Brown REES
 APPLICANT: Raynor Farrah TAYLOR
 TITLE OF INVENTION: ANTIMICROBIAL PROTEINS FROM ASALIA AND
 NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:
 STREET: 110 New York Avenue, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005-3918
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM compatible
 OPERATING SYSTEM: MS-DOS
 OWNER: M. Wayne Western
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08831028
 FILING DATE: 19-AUG-1996
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/CB95/00509
 FILING DATE: 11-MAR-1994
 PRIORITY CLAIM DATA:
 APPLICATION NUMBER: 94-04807-1
 FILING DATE: 11-MAR-1994
 INFORMATION FOR SEQ ID NO: 9:
 SOURCE CHARACTERISTICS:
 LENGTH: 33 amino acids
 TYPE: amino acid
 END: single
 TOROID: linear
 MOLECULE TYPE: protein
 ORIGINAL SOURCE:
 ORGANISM: FIGURE 10
 US-08-810-028-9

Query Match 52. XNQKQVQFVFLVFLTSASDNEPTKPSKPKDPSVSKSGEPEVDQI-----73
 Db 57 -PHRCACDGPDRYK--RNC 74

RESULT 5
 US-08-810-028-9
 Application US/08831028
 Serial No. 6,230,111
 GENERAL INFORMATION:
 APPLICANT: Sheila ATTENBOROUGH
 APPLICANT: William Frans BROEKART
 APPLICANT: Rupert William OSBORN
 APPLICANT: John Anthony PAY
 APPLICANT: Sarah Brown REES
 APPLICANT: Raynor Farrah TAYLOR
 TITLE OF INVENTION: ANTIMICROBIAL PROTEINS FROM ASALIA AND
 NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:
 STREET: 110 New York Avenue, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005-3918
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM compatible
 OPERATING SYSTEM: MS-DOS
 OWNER: M. Wayne Western
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08831028
 FILING DATE: 19-AUG-1996
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/CB95/00509
 FILING DATE: 11-MAR-1994
 PRIORITY CLAIM DATA:
 APPLICATION NUMBER: 94-04807-1
 FILING DATE: 11-MAR-1994
 INFORMATION FOR SEQ ID NO: 9:
 SOURCE CHARACTERISTICS:
 LENGTH: 33 amino acids
 TYPE: amino acid
 END: single
 TOROID: linear
 MOLECULE TYPE: protein
 ORIGINAL SOURCE:
 ORGANISM: FIGURE 10
 US-08-810-028-9

Query Match 52. XNQKQVQFVFLVFLTSASDNEPTKPSKPKDPSVSKSGEPEVDQI-----73
 Db 57 -PHRCACDGPDRYK--RNC 74

MOLECULE TYPE: peptide
 1 HYPOTHETICAL: NO
 1 ANTI-SENSE: NO
 1 ORIGINAL SOURCE:
 1 ORGANISM: Conus striatus
 US-09-137-800-19

Query Match Similarity 17.3%; Score 72.5; DB 1; Length 64;
 Best Local Similarity 31.4%; Pred. No. 0.32; Indels 13; Gaps 4;
 Matches 22; Conservative 11; Mismatches 24;

Query 9 VLTVCILFPLTALDQGQDQDPRAPRARMOD--DISSDHPFLPDRQNGCCESSKW 65
 ORGANISM: Conus striatus
 US-09-137-800-19

Query 5 KMFVFLVWLVANTV--SPSFDASGRDEKDAEKSDE-SUREKICRPACPXY 60

Result 9 US-08-477-183-39 Application US/08477383

Query 66 CRDHARCCGR 75

Db 61 -----SGCR 64

Result 9 Sequence 39 Application US/08477383

Patent No. 5185340

GENERAL INFORMATION:

Applicant: Olivera, Baldomero M.
 Attorney: Cruz, Lourdes J.
 Agent: Matayoshi, J. R.
 Applicant: Maciasch, J. Michael
 Applicant: Santos, Aneurino S.
 Title of Invention: Conotoxin Peptides
 Number of Sequences: 59

Correspondence Address:

Address: Venable, Baetjer, Howard & Civiletti
 Street: 1201 New York Avenue, N.W., Suite 1000
 City: Washington
 State: DC
 Country: U.S.A.

Zip: 20005
 Computer Readable Form:

Medium Type: Floppy disk
 Computer: IBM PC compatible
 Operating System: PC-DOS/MS-DOS
 Software: Patent Release #1.30

Current Application Data:

Application No.: US/08/477,383
 Filing Date: 07-JUN-1995
 Classification: 435
 Prior Application Data:
 Application No.: US 08/137,800
 Filing Date: 22-JUN-1993
 Classification: 435
 Prior Publication Data:
 Publication No.: US 08/084,848
 Filing Date: 22-JUN-1993
 Attorney/Agent Information:
 Name: Ihnen, Jeffrey L.
 Registration Number: 357
 Reference/Document Number: 24260-107673
 Telecommunication Information:
 Telephone: 202-962-4910
 Telefax: 202-962-5310
 Information: 39;
 Secondary Structure:
 Length: 64 amino acids
 Type: amino acid
 Strandiness:
 Topology: linear
 Molecular Type: peptide
 Hypothetical: NO
 Original Source: Conus striatus

Query Match Similarity 17.3%; Score 72.5; DB 1; Length 64;
 Best Local Similarity 31.4%; Pred. No. 0.33; Indels 13; Gaps 4;
 Matches 22; Conservative 11; Mismatches 24;

Query 9 VLTVCILFPLTALDQGQDQDPRAPRARMOD--DISSDHPFLPDRQNGCCESSKW 65
 ORGANISM: Conus striatus
 US-08-477-383-37 Application US/08477383

Query 5 KMFVFLVWLVANTV--SPSFDASGRDEKDAEKSDE-SUREKICRPACPXY 60

Result 9 US-08-477-383-37 Application US/08477383

Patent No. 5185340

General Information:

Applicant: Olivera, Baldomero M.
 Attorney: Cruz, Lourdes J.
 Agent: Matayoshi, J. R.
 Applicant: Maciasch, J. Michael
 Applicant: Santos, Aneurino S.
 Title of Invention: Conotoxin Peptides
 Number of Sequences: 59

Correspondence Address:

Address: Venable, Baetjer, Howard & Civiletti
 Street: 1201 New York Avenue, N.W., Suite 1000
 City: Washington
 State: DC
 Country: U.S.A.

Zip: 20005
 Computer Readable Form:

Medium Type: Floppy disk
 Computer: IBM PC compatible
 Operating System: PC-DOS/MS-DOS
 Software: Patent Release #1.30

Current Application Data:

Application No.: US/08/477,383
 Filing Date: 07-JUN-1995
 Classification: 435
 Prior Application Data:
 Application No.: US 08/137,800
 Filing Date: 22-JUN-1993
 Classification: 435
 Prior Publication Data:
 Publication No.: US 08/084,848
 Filing Date: 22-JUN-1993
 Attorney/Agent Information:
 Name: Ihnen, Jeffrey L.
 Registration Number: 357
 Reference/Document Number: 24260-107673
 Telecommunication Information:
 Telephone: 202-962-4910
 Telefax: 202-962-5310
 Information: 39;
 Secondary Structure:
 Length: 64 amino acids
 Type: amino acid
 Strandiness:
 Topology: linear
 Molecular Type: peptide
 Hypothetical: NO
 Original Source: Conus striatus

Query Match Similarity 17.3%; Score 72.5; DB 1; Length 64;
 Best Local Similarity 31.4%; Pred. No. 0.33; Indels 13; Gaps 4;
 Matches 22; Conservative 11; Mismatches 24;

Query 9 VLTVCILFPLTALDQGQDQDPRAPRARMOD--DISSDHPFLPDRQNGCCESSKW 65
 ORGANISM: Conus striatus
 US-08-477-383-37 Application US/08477383

RESULT 15 026-22
S. 393 Application US/09061026
Sequence 22, Application No. 607734
GENERAL INFORMATION
APPLICANT: Jacobson, Richard M.
APPLICANT: Oliveira, Baldemor M.
TITLE OF INVENTION: Contrayron Peptides
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS: P.O. Box 700
ADDRESS: 75 Thirteenth Street N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIA TYPE: floppy disk
COMPILER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/051...026
FILING DATE:
CLASSIFICATION: 5

Query Match 100.0%; Score 420; DB 11; Length 75;
 Best Local Similarity 100.0%; Pred. No. 1..28..41;
 Matches 75; Conservative 0; Mismatches 0; Gaps 0;
 Qy 1 GSMMKGULATCIALPPTLPGDODRBRMMDISDBHFLDRBNCNG 60
 Db 1 GSMMKGULATCIALPPTLPGDODRBRMMDISDBHFLDRBNCNG 60

RESULT 2

US-09-910-009A-300
 Sequence 300, Application US/0910009A

Publication No. US2003005234A1
 GENERAL INFORMATION

1 APPLICANT: University of Utah Research Foundation

2 APPLICANT: Cognex, Inc.

3 APPLICANT: Baldoneiro, Michael M.

4 APPLICANT: McIntosh, James E.

5 APPLICANT: Watkins, Karen

6 APPLICANT: Shon, Ki-Joon

7 APPLICANT: Jacobson, Richard

8 APPLICANT: Jones, Robert M.

9 APPLICANT: Kastaff, John D.

10 APPLICANT: Wagstaff, John D.

11 APPLICANT: Cooley, Michael M.

12 APPLICANT: McIntosh, Michael M.

13 APPLICANT: Watkins, Karen

14 APPLICANT: Shon, Ki-Joon

15 APPLICANT: Jacobson, Richard

16 APPLICANT: Jones, Robert M.

17 APPLICANT: Kastaff, John D.

18 APPLICANT: Wagstaff, John D.

19 APPLICANT: Cooley, Michael M.

20 APPLICANT: McIntosh, Michael M.

21 APPLICANT: Watkins, Karen

22 APPLICANT: Shon, Ki-Joon

23 APPLICANT: Jacobson, Richard

24 APPLICANT: Jones, Robert M.

25 APPLICANT: Kastaff, John D.

26 APPLICANT: Wagstaff, John D.

27 APPLICANT: Cooley, Michael M.

28 APPLICANT: McIntosh, Michael M.

29 APPLICANT: Watkins, Karen

30 APPLICANT: Shon, Ki-Joon

31 APPLICANT: Jacobson, Richard

32 APPLICANT: Jones, Robert M.

33 APPLICANT: Kastaff, John D.

34 APPLICANT: Wagstaff, John D.

35 APPLICANT: Cooley, Michael M.

36 APPLICANT: McIntosh, Michael M.

37 APPLICANT: Watkins, Karen

38 APPLICANT: Shon, Ki-Joon

39 APPLICANT: Jacobson, Richard

40 APPLICANT: Jones, Robert M.

41 APPLICANT: Kastaff, John D.

42 APPLICANT: Cooley, Michael M.

43 APPLICANT: McIntosh, Michael M.

44 APPLICANT: Watkins, Karen

45 APPLICANT: Shon, Ki-Joon

46 APPLICANT: Jacobson, Richard

47 APPLICANT: Jones, Robert M.

48 APPLICANT: Kastaff, John D.

49 APPLICANT: Cooley, Michael M.

50 APPLICANT: McIntosh, Michael M.

51 APPLICANT: Watkins, Karen

52 APPLICANT: Shon, Ki-Joon

53 APPLICANT: Jacobson, Richard

54 APPLICANT: Jones, Robert M.

55 APPLICANT: Kastaff, John D.

56 APPLICANT: Cooley, Michael M.

57 APPLICANT: McIntosh, Michael M.

Query Match 88.0%; Score 372; DB 11; Length 76;
 Best Local Similarity 88.0%; Pred. No. 4..8e-3..0;
 Matches 5; Mismatches 2; Indels 2; Gaps 1;

Qy 3 MSEGKGLATCIALPPTLPGDODRBRMMDISDBHFLDRBNCNG-G 60
 Db 1 MSEGKGLATCIALPPTLPGDODRBRMMDISDBHFLDRBNCNG-G 60

RESULT 3

US-09-910-009A-375
 Sequence 375, Application US/0910009A

Publication No. US2003005234A1
 GENERAL INFORMATION

1 APPLICANT: University of Utah Research Foundation

2 APPLICANT: Cognex, Inc.

3 APPLICANT: Baldoneiro, Michael M.

4 APPLICANT: McIntosh, James E.

5 APPLICANT: Watkins, Karen

6 APPLICANT: Shon, Ki-Joon

7 APPLICANT: Jacobson, Richard

8 APPLICANT: Jones, Robert M.

9 APPLICANT: Kastaff, John D.

10 APPLICANT: Cooley, Michael M.

11 APPLICANT: McIntosh, Michael M.

12 APPLICANT: Watkins, Karen

13 APPLICANT: Shon, Ki-Joon

14 APPLICANT: Jacobson, Richard

15 APPLICANT: Jones, Robert M.

16 APPLICANT: Kastaff, John D.

17 APPLICANT: Cooley, Michael M.

18 APPLICANT: McIntosh, Michael M.

19 APPLICANT: Watkins, Karen

20 APPLICANT: Shon, Ki-Joon

21 APPLICANT: Jacobson, Richard

22 APPLICANT: Jones, Robert M.

23 APPLICANT: Kastaff, John D.

24 APPLICANT: Cooley, Michael M.

25 APPLICANT: McIntosh, Michael M.

26 APPLICANT: Watkins, Karen

27 APPLICANT: Shon, Ki-Joon

28 APPLICANT: Jacobson, Richard

29 APPLICANT: Jones, Robert M.

30 APPLICANT: Kastaff, John D.

31 APPLICANT: Cooley, Michael M.

32 APPLICANT: McIntosh, Michael M.

33 APPLICANT: Watkins, Karen

34 APPLICANT: Shon, Ki-Joon

35 APPLICANT: Jacobson, Richard

36 APPLICANT: Jones, Robert M.

37 APPLICANT: Kastaff, John D.

38 APPLICANT: Cooley, Michael M.

39 APPLICANT: McIntosh, Michael M.

40 APPLICANT: Watkins, Karen

41 APPLICANT: Shon, Ki-Joon

42 APPLICANT: Jacobson, Richard

43 APPLICANT: Jones, Robert M.

44 APPLICANT: Kastaff, John D.

45 APPLICANT: Cooley, Michael M.

46 APPLICANT: McIntosh, Michael M.

47 APPLICANT: Watkins, Karen

48 APPLICANT: Shon, Ki-Joon

49 APPLICANT: Jacobson, Richard

50 APPLICANT: Jones, Robert M.

Query Match 88.6%; Score 372; DB 11; Length 76;
 Best Local Similarity 88.0%; Pred. No. 520
 NUMBER OF SEQ ID NO: 520
 SOFTWARE: PatentIn version 3.0
 LENGTH: 16
 ORGANISM: Coprus sterreusvarcarinum
 US-09-910-009A-300

Query Match 88.0%; Score 372; DB 11; Length 76;
 Best Local Similarity 88.0%; Pred. No. 4..8e-3..0;
 Matches 5; Mismatches 2; Indels 2; Gaps 1;

Qy 3 MSEGKGLATCIALPPTLPGDODRBRMMDISDBHFLDRBNCNG-G 60
 Db 1 MSEGKGLATCIALPPTLPGDODRBRMMDISDBHFLDRBNCNG-G 60

RESULT 4

US-09-910-009A-41
 Sequence 41, Application US/0910009A

Publication No. US2003005023A1
 GENERAL INFORMATION

1 APPLICANT: University of Utah Research Foundation

2 APPLICANT: Cognex, Inc.

3 APPLICANT: Baldoneiro, Michael M.

4 APPLICANT: McIntosh, James E.

5 APPLICANT: Watkins, Karen

6 APPLICANT: Shon, Ki-Joon

7 APPLICANT: Jacobson, Richard

8 APPLICANT: Jones, Robert M.

9 APPLICANT: Kastaff, John D.

10 APPLICANT: Cooley, Michael M.

11 APPLICANT: McIntosh, Michael M.

12 APPLICANT: Watkins, Karen

13 APPLICANT: Shon, Ki-Joon

14 APPLICANT: Jacobson, Richard

15 APPLICANT: Jones, Robert M.

16 APPLICANT: Kastaff, John D.

17 APPLICANT: Cooley, Michael M.

18 APPLICANT: McIntosh, Michael M.

19 APPLICANT: Watkins, Karen

20 APPLICANT: Shon, Ki-Joon

21 APPLICANT: Jacobson, Richard

22 APPLICANT: Jones, Robert M.

23 APPLICANT: Kastaff, John D.

24 APPLICANT: Cooley, Michael M.

25 APPLICANT: McIntosh, Michael M.

26 APPLICANT: Watkins, Karen

27 APPLICANT: Shon, Ki-Joon

28 APPLICANT: Jacobson, Richard

29 APPLICANT: Jones, Robert M.

30 APPLICANT: Kastaff, John D.

31 APPLICANT: Cooley, Michael M.

32 APPLICANT: McIntosh, Michael M.

33 APPLICANT: Watkins, Karen

34 APPLICANT: Shon, Ki-Joon

35 APPLICANT: Jacobson, Richard

36 APPLICANT: Jones, Robert M.

37 APPLICANT: Kastaff, John D.

38 APPLICANT: Cooley, Michael M.

39 APPLICANT: McIntosh, Michael M.

40 APPLICANT: Watkins, Karen

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42 APPLICANT: Jacobson, Richard

43 APPLICANT: Jones, Robert M.

44 APPLICANT: Kastaff, John D.

45 APPLICANT: Cooley, Michael M.

46 APPLICANT: McIntosh, Michael M.

47 APPLICANT: Watkins, Karen

48 APPLICANT: Shon, Ki-Joon

49 APPLICANT: Jacobson, Richard

50 APPLICANT: Jones, Robert M.

51 APPLICANT: Kastaff, John D.

52 APPLICANT: Cooley, Michael M.

53 APPLICANT: McIntosh, Michael M.

54 APPLICANT: Watkins, Karen

55 APPLICANT: Shon, Ki-Joon

56 APPLICANT: Jacobson, Richard

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58 APPLICANT: Kastaff, John D.

59 APPLICANT: Cooley, Michael M.

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65 APPLICANT: Kastaff, John D.

66 APPLICANT: Cooley, Michael M.

67 APPLICANT: McIntosh, Michael M.

68 APPLICANT: Watkins, Karen

69 APPLICANT: Shon, Ki-Joon

70 APPLICANT: Jacobson, Richard

71 APPLICANT: Jones, Robert M.

72 APPLICANT: Kastaff, John D.

73 APPLICANT: Cooley, Michael M.

74 APPLICANT: McIntosh, Michael M.

75 APPLICANT: Watkins, Karen

76 APPLICANT: Shon, Ki-Joon

77 APPLICANT: Jacobson, Richard

78 APPLICANT: Jones, Robert M.

79 APPLICANT: Kastaff, John D.

80 APPLICANT: Cooley, Michael M.

81 APPLICANT: McIntosh, Michael M.

82 APPLICANT: Watkins, Karen

83 APPLICANT: Shon, Ki-Joon

84 APPLICANT: Jacobson, Richard

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87 APPLICANT: Cooley, Michael M.

88 APPLICANT: McIntosh, Michael M.

89 APPLICANT: Watkins, Karen

90 APPLICANT: Shon, Ki-Joon

91 APPLICANT: Jacobson, Richard

92 APPLICANT: Jones, Robert M.

93 APPLICANT: Kastaff, John D.

94 APPLICANT: Cooley, Michael M.

95 APPLICANT: McIntosh, Michael M.

96 APPLICANT: Watkins, Karen

97 APPLICANT: Shon, Ki-Joon

98 APPLICANT: Jacobson, Richard

99 APPLICANT: Jones, Robert M.

100 APPLICANT: Kastaff, John D.

101 APPLICANT: Cooley, Michael M.

102 APPLICANT: McIntosh, Michael M.

103 APPLICANT: Watkins, Karen

104 APPLICANT: Shon, Ki-Joon

105 APPLICANT: Jacobson, Richard

106 APPLICANT: Jones, Robert M.

107 APPLICANT: Kastaff, John D.

108 APPLICANT: Cooley, Michael M.

109 APPLICANT: McIntosh, Michael M.

110 APPLICANT: Watkins, Karen

111 APPLICANT: Shon, Ki-Joon

112 APPLICANT: Jacobson, Richard

113 APPLICANT: Jones, Robert M.

114 APPLICANT: Kastaff, John D.

115 APPLICANT: Cooley, Michael M.

116 APPLICANT: McIntosh, Michael M.

117 APPLICANT: Watkins, Karen

118 APPLICANT: Shon, Ki-Joon

119 APPLICANT: Jacobson, Richard

120 APPLICANT: Jones, Robert M.

121 APPLICANT: Kastaff, John D.

122 APPLICANT: Cooley, Michael M.

123 APPLICANT: McIntosh, Michael M.

124 APPLICANT: Watkins, Karen

125 APPLICANT: Shon, Ki-Joon

126 APPLICANT: Jacobson, Richard

127 APPLICANT: Jones, Robert M.

128 APPLICANT: Kastaff, John D.

129 APPLICANT: Cooley, Michael M.

130 APPLICANT: McIntosh, Michael M.

131 APPLICANT: Watkins, Karen

132 APPLICANT: Shon, Ki-Joon

133 APPLICANT: Jacobson, Richard

134 APPLICANT: Jones, Robert M.

135 APPLICANT: Kastaff, John D.

APPLICANT: Nagstaff, John D.
 FILE REFERENCE: 231-242
 FILE NUMBER: US/09/910-009A
 CURRENT APPLICATION NUMBER: US/09/910-009A
 CURRENT FILING DATE: 2001-07-23
 PRIOR FILING DATE: 2000-07-21
 PRIOR APPLICATION NUMBER: US 60/215,619
 PRIOR FILING DATE: 2000-07-21
 PRIOR APPLICATION NUMBER: US 60/245,157
 PRIOR FILING DATE: 2001-03-19
 NUMBER OF SEQ ID NOS: 520
 SEQ ID NO: 234
 LENGTH: 74
 TYPE: PRT; Comm tulipa
 US-09-910-009a-214

Query Match Similarity 74.0%; Score 299 5; DB 11; Length 74;
 Best Local Similarity 74.3%; Pred. No. 1.4e-27; Indels 5; Gaps 3;
 Matches 55; Conservative 9; Mismatches 7; Indels 3; Gaps 2;

Qy 4 MSKQGUYLULFLFLPLDGDOPDAPRQODISDEBFLPDKRQNCNG-GC 61
 Db 1 MSKQGUYLULFLFLPLDGDOPDAPRQODISDEBFLPDKRQNCNG-GC 60
 Qy 62 SSKGRDRHACCR 75
 Db 61 SRECREQ-HECCR 73

RESULT 11
 US-09-910-009a-35 Application US/09/910009A
 Sequence 15 Application US/09/910009A
 SEQ ID NO: 235
 LENGTH: 75
 APPLICANT: University of Utah Research Foundation
 APPLICANT: Comelix, Inc.
 APPLICANT: Baldomero M. Oliviera, Baldomero M.
 APPLICANT: Garrett, James E.
 APPLICANT: Watkins, Karen
 APPLICANT: Cruz, Lourdes J.
 APPLICANT: Shon, Ki-Joon
 APPLICANT: Jacobsen, Richard
 APPLICANT: Jones, Robert M.
 APPLICANT: Cartier, G. Edward
 APPLICANT: Sheen, Greg S.
 APPLICANT: Dan P. Optides
 TITLE OF INVENTION: Mu-Conopeptides
 FILE REFERENCE: 2314-242
 CURRENT APPLICATION NUMBER: US/09/910-009A
 CURRENT FILING DATE: 2003-07-23
 PRIOR APPLICATION NUMBER: US 60/215,619
 PRIOR FILING DATE: 2000-07-21
 PRIOR APPLICATION NUMBER: US 60/245,157
 PRIOR FILING DATE: 2001-03-19
 PRIOR FILING DATE: 2001-07-20
 PRIOR FILING DATE: 2001-07-27
 NUMBER OF SEQ ID NOS: 520
 SEQ ID NO: 235
 LENGTH: 75
 APPLICANT: Conus auricularis
 US-09-910-009a-35

Query Match Similarity 69.9%; Score 293 5; DB 11; Length 76;
 Best Local Similarity 71.1%; Pred. No. 1.4e-27; Indels 3; Gaps 1;
 Matches 54; Conservative 9; Mismatches 7; Indels 3; Gaps 1;

Qy 3 MSKQGUYLULFLFLPLDGDOPDAPRQODISDEBFLPDKRQNCNG-GC 59
 Db 1 MSKQGUYLULFLFLPLDGDOPDAPRQODISDEBFLPDKRQNCNG-GC 60

RESULT 13
 US-09-910-009a-36 Application US/09/910009A
 Sequence 16 Application US/09/910009A
 SEQ ID NO: 236
 LENGTH: 75
 APPLICANT: University of Utah Research Foundation
 APPLICANT: Comelix, Inc.
 APPLICANT: Oliviera, Baldomero M.
 APPLICANT: McIntosh, J. Michael
 APPLICANT: Garrett, James E.

Query Match Similarity 71.3%; Score 299 5; DB 11; Length 77;
 Best Local Similarity 71.1%; Pred. No. 1.4e-27; Indels 3; Gaps 0;
 Matches 55; Conservative 9; Mismatches 7; Indels 3; Gaps 0;

Qy 60 GSSGRDRHACCR 75
 Db 61 SSGRAEKLKCSR 76

